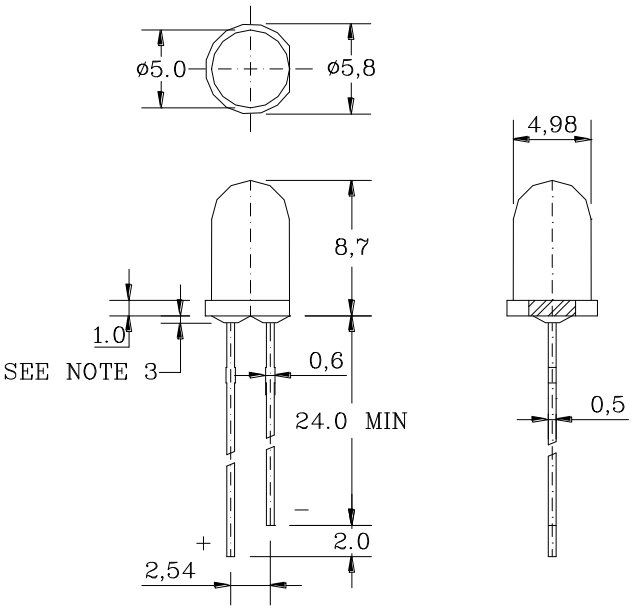
Features

- ◆ High intensity
- ◆ Standard T-1 diameter type package
- ◆ General purpose leads
- ◆ Reliable and rugged

Package Dimension:



Part No.	Chip Material	Lens Color	Source Color
504WC	InGaN/GaN	Water clear	White

Notes:

1. All dimensions are in millimeters.
2. Tolerance is ±0.25mm unless otherwise noted.
3. Protruded resin under flange is 1.0mm max.

Approved By：　　Designed By：黄国英

Absolute Maximum Ratings at Ta=25℃

Parameter	MAX	Unit
Power Dissipation	120	mW
Peak Forward Current (1/10 Duty Cycle,0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Reverse Voltage	5	V
Electrostatic Discharg(ESD)	300	V
Operating Temperature Range	-25℃ to +80℃	
Storage Temperature Range	-25℃ to +85℃	
Lead Soldering Temperature (4mm From Body)	260℃ for 5 seconds	

Electrical Optical Characteristics at Ta=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	10000	12000	----	mcd	I_F=20mA(Note 1)
Viewing Angle	$2\theta_{1/2}$	----	15	-----	Deg	(Note 2)
Chromaticity Coordinates	x	-----	0.30	----		I_F=20mA
	y	-----	0.30	----		
Forward Voltage	V_F	2.8	3.2	3.6	V	I_F=20mA
Reverse Current	I_R	----	----	10	μA	V_R=5V

Note:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.